

United States
Department of the Interior
Osage Indian Agency
Pawhuska, Oklahoma

Date: February 11, 2012**Application For the Operation or Report on Wells**

North Burbank Unit Tract 17

(Commencement money paid to whom)

(Date)

(Amount)

Well No.: 9 is located 981 Ft. from **N** line and 300 Ft. from **W** lineSW/4 Sec 1227N05EOsage County, Oklahoma(1/4 Sec. & Sec. No.)(Twp)(Range)The elevation of the ground level above sea level is 1149 Ft.**Use This Side to Request Authority for Work**

(Three Copies Required)

Notice of Intention To:

- Drill..... ☐
 Plug..... ☐
 Deepen or plug back.. ☐
 Convert..... ☐
 Pull or alter casing..... ☐
 Formation Treatment.. ☐
 ☐

Details of Work

Drilling applications will state proposed TD & horizons to be tested. Show size & length of casings to be used. Indicate proposed mudding, cementing & other work.
 Plugging applications shall set forth reasons for plugging & detailed statement of proposed work.
 Plugging will not commence until 10 days following approval date unless authority granted for earlier commencement.
 A \$15.00 plugging fee is also required with each application to plug.

 Bbls oil Bbls water in 24 hrs

I understand that this plan of work must receive approval in writing of the Osage Indian Agency before operations may be commenced.

Lessee:

Signature: _____

Title: _____

Address: 701 Cedar Lake Blvd., Oklahoma City, Oklahoma 73114**Use This Side To Report Completed Work**

(One Copy Required)

Character of Well (oil, gas or dry)Oil

Subsequent Report of:

- Conversion..... ☐
 Formation Treatment.. ☐
 Altering casing..... ☒
 Plugging Back..... ☐
 Plugging..... ☐

Details of Work & Results Obtained

MIRU. POOH w/ESP & tbg. TIH w/5-1/2" scraper to top of liner @ 2893'. Not able to get in liner, POOH w/BHA. TIH W/4-3/4" pilotmill. RU Power Swivel. Milled from 2893' to 2900'. Circ hole clean. POOH W/BHA to look @ mill. Bottom of mill indicated tbg in hole or possible motor guide. TIH w/4-3/4" overshot & was not able to get over fish. POOH w/BHA. RU Elite WL. Set 7" cmt retainer @ 2780', stacked out w/ retainer @ 2803'. RD WL Elite. TIH w/stinger & 2-3/8" tbg. Tagged cmt retainer @ 2772'. RU Chaparral Cementers. Pumped 300 sks reg cmt. POOH w/stinger. RD CC. (OVER)

Work commenced: 5/30/2012Work completed: 2/7/2013

(Continue on reverse if necessary)

This block for plugging information only**Casing Record**

Size	In Hole When Started	Am't. Recovered	If Parted Depth	How

Original TD _____

Lessee: Chaparral Energy, L.L.C.By: Erwin Pino

Erwin Pino

Regulatory Engineer

Subscribed and sworn to before me this 11th day of Feb, 2013.

RIH w/6-1/4" bit & tagged cement @ 2680'. Drilled out cement from 2680' to 2742'. Circ hole clean. RU Elite WL. Ran CBL from 2742' to 2000'. CBL shows no cement up to 2500', some cement from 2400' to 2500'. Shot holes @ 2738'. TIH w/7" treating pkr & 2-3/8" tbg. Set pkr @ 2730'. Pumped down tbg @ 2-1/2 BPM @ 900lbs, had communication around pkr up 7" csg. Unset pkr, POOH w/pkr & tbg. Set 7" cmt retainer @ 2728'. RD WL. TIH w/tbg, stung into cmt retainer, pumped 50 sks reg cmt down tbg. Pulled tbg up to 2500'. Circulated csg clean. POOH w/stinger. RIH w/6-1/4" bit tagged cmt @ 2520'. RU Power Swivel. Drilled cmt out from 2520' to 2722'. Circ hole clean. RU Elite WL. Ran CBL from 2721' to 2300', found top of cement @ 2300'. Dumped 4 sks reg cmt down on top of retainer. RD Elite WL. RIH w/6-1/4" bit & tagged cement @ 2700'. RU Power Swivel. Drilled cement out to 2708'. Circ hole clean. RIH w/79 jts of 2-7/8" PH 6 tubing & 8 DC. Tagged 7' high @ 2701'. RU Power Swivel. Milled and washed down to 2708' (new PBTD). Circ hole clean. POOH w/BHA. Decided to sidetrack. RIH w/whip stock, starter mill, drill pipe and UBHO sub on 8 jts drill collars & 77 jts of 2-7/8" tubing to 2708'. RU Scientific Drilling and orientation tool. Orientated whip stock 268 degrees. Set whip stocks. Started mill at 1 point compression with 1500 ft lbs torque & 80 RPM. reached targed (18"). POOH w/BHA. Changed out tbg tongs for pipe tongs. RIH w/2-7/8" PH6 tbg & swivel. Tagged @ 2693'. Started milling @ 2693', milling hard outside of window. Circulate hole clean. POOH w/BHA. RIH w/bit, 8 DC's, CO sub & 63 jts 2-7/8". Tagged @ 2704' (PBTD). RU Power Swivel. Drilled outside window down to 3017'. Circulated hole for 20 min. Started drilling formation sand to 3025' where hit blk shale. Drilled all shale & continued to TD of 3074'. Sand formation from 2984' to 3025'. Circ hole clean. POOH w/BHA. RU Elite WL. Perforated 7" casing @ 500'. RIH w/11 jts 5-1/2" of CR 13 Chrome (398.54'), 50 jts of 5-1/2" J-55, port collar, 13 jts 5-1/2" plus 26' of jt 75. RU Chaparral Cement. Pumped 150 sks Class A 1.8 yield. Pressure casing to 1500 psi, held. RIH w/5-1/2" port collar tool, opened port collar @ 520'. RU Chaparral Cementers. Pumped 600 sks reg cement from 517' down 5-1/2" + 7" + 8-5/8" + 20" annulus. Closed port collar, pressured up on casing 1000 lbs, held. TIH w/4-3/4" bit, tagged cement @ 3052', drilled cement out to floatshoe @ 3076'. Circulated hole clean. RU Elite WL. Ran GR CBL from 3076' to surface, had cement from 3076' to 370'. RD WL. RU Elite WL. Perforated Burbank from 2984' to 3036' w/4 spf 3.125 slick gun, 197 holes total. RD Elite WL. TIH w/5-1/2" X1 Arrow set stainless okr w/ on & off tool & stinger on top, check on bottom of pkr & 92 jts 2-3/8" TK-70 XT tbg. Pumped pkr fluid, set pkr @ 2943'. Pressured up on csg to 1000 lbs, held. Will put on production when needed for CO2 flood.